

IN THE CLAIMS:

Please cancel Claims 2 to 4 and 10 to 18 without prejudice or disclaimer of subject matter. Please amend the remaining claims as follows:

1. (Amended) An optical scanning device, comprising:

light source means for emitting at least one light flux having a wavelength equal to or smaller than 500 nm;

deflection means for deflecting at least one of the light fluxes emitted from the light source means; and

a scanning optical system for imaging the light flux deflected by the deflection means onto a surface to be scanned,

wherein the scanning optical system ~~comprises at least two lenses including a glass lens and a plastic lens, each of which has an opposite sign of power, and chromatic aberration of magnification in a main scanning direction in the optical scanning device is corrected to be equal to or smaller than 40 μ m in the case where a difference of wavelengths in the light flux emitted from the light source means is set to 5 nm~~ consists of a glass lens, a first plastic lens, and a second plastic lens, which are disposed in this order from the deflection means, wherein the glass lens has negative power in the main scanning direction, the first plastic lens has positive power in the main scanning direction, and the second plastic lens has negative power in the main scanning direction,

wherein at least one surface of each of the first plastic lens and the second plastic lens in the main scanning direction is aspherical, and

wherein the scanning optical system satisfies a relational expression,

$$|\Phi G/vG + \Phi P/vP| < 0.02 \times \Phi$$

where

ΦG : power of the glass lens in the main scanning direction on an optical axis of the scanning optical system,

vG : an Abbe number of the glass lens,

ΦP : synthetic power of the first plastic lens and the second plastic lens in the main scanning direction on the optical axis of the scanning optical system,

vP : an Abbe number of the first plastic lens and the second plastic lens, and

Φ : synthetic power of all systems of the scanning optical system in the main scanning direction on the optical axis of the scanning optical system.

2. to 4. (Cancelled)

5. (Original) An optical scanning device according to claim 1, wherein the light source means includes a multi-beam light source that emits at least two light fluxes.

6. (Currently Amended) An image forming apparatus, comprising:
the optical scanning device according to ~~any one of claims 1 to 5~~ claim 1;
a photosensitive member located on the surface to be scanned;

a developing unit that develops as a toner image an electrostatic latent image formed on the photosensitive member which is scanned with the light flux emitted from the optical scanning device;

a transferring unit that transfers the developed toner image onto a material to be transferred; and

a fixing device that fixes the transferred toner image onto the material to be transferred.

7. (Original) An image forming apparatus, comprising:

the optical scanning device according to claim 6; and

a printer controller that converts code data inputted from an external device into an image signal and outputs the image signal to the optical scanning device.

8. (Currently Amended) A color image forming apparatus, comprising:

a plurality of the optical scanning devices according to ~~any one of claims 1 to 5~~ claim 1; and

a plurality of image bearing members arranged at positions on the surface to be scanned by the plurality of optical scanning devices and form images of different colors.

9. (Original) A color image forming apparatus, comprising:

the optical scanning devices according to claim 8; and

a printer controller that converts code data inputted from an external device into an image signal and outputs the image signal to the optical scanning devices.

10. to 18. (Cancelled)

Please add Claims 19 to 25, as follows:

19. (New) An optical scanning device, comprising:

light source means for emitting at least one light flux;

deflection means for deflecting at least one of the light fluxes emitted from the light source means; and

a scanning optical system for imaging the light flux deflected by the deflection means onto a surface to be scanned,

wherein the scanning optical system consists of a glass lens, a first plastic lens, and a second plastic lens, which are disposed in this order from the deflection means, wherein the glass lens has negative power in the main scanning direction, the first plastic lens has positive power in the main scanning direction, and the second plastic lens has negative power in the main scanning direction,

wherein at least one surface of each of the first plastic lens and the second plastic lens in the main scanning direction is aspherical, and

wherein the scanning optical system satisfies a relational expression,

$$|\Phi G/vG + \Phi P/vP| < 0.02 \times \Phi$$

where

ΦG : power of the glass lens in the main scanning direction on an optical axis of the scanning optical system,

vG : an Abbe number of the glass lens,

ΦP : synthetic power of the first plastic lens and the second plastic lens in the main scanning direction on the optical axis of the scanning optical system,

vP : an Abbe number of the first plastic lens and the second plastic lens, and

Φ : synthetic power of all systems of the scanning optical system in the main scanning direction on the optical axis of the scanning optical system.

20. (New) An optical scanning device according to claim 1, wherein the light source means includes a multi-beam light source that emits at least two light fluxes.

21. (New) An image forming apparatus, comprising:

the optical scanning device according to claim 19;

a photosensitive member located on the surface to be scanned;

a developing unit that develops as a toner image an electrostatic latent image formed on the photosensitive member which is scanned with the light flux emitted from the optical scanning device;

a transferring unit that transfers the developed toner image onto a material to be transferred; and

a fixing device that fixes the transferred toner image onto the material to be transferred.

22. (New) An image forming apparatus, comprising:
the optical scanning device according to claim 21; and
a printer controller that converts code data inputted from an external device into an image signal and outputs the image signal to the optical scanning device.

23. (New) A color image forming apparatus, comprising:
a plurality of the optical scanning devices according to claim 19; and
a plurality of image bearing members arranged at positions on the surface to be scanned by the plurality of optical scanning devices and form images of different colors.

24. (New) A color image forming apparatus, comprising:
the optical scanning devices according to claim 23; and
a printer controller that converts code data inputted from an external device into an image signal and outputs the image signal to the optical scanning devices.